

ABSTRACT

An apparatus for controlling recording and reproduction in a video cassette tape recorder capable of, in a recording mode, separating specific data for speed-varied reproduction from compressed digital video signals, recording then on designated tracks, recording position information of the designated tracks on a control track by an index head or recording position information of recording position-synchronized blocks at the starting portions of the designated tracks recorded with the specific data, and in a speed-varied reproduction mode, controlling a capstan servo speed so as to periodically or non-periodically accelerate or decelerate it where specific data for varied-speed have been recorded periodically or non-periodically on predetermined portions of tracks, thereby making heads travel repeatedly at the normal speed and the high speed and thereby detect continuously the specific tracks for varied speed. A repeatability of reproduced video at a varied speed is obtained without any deterioration in picture quality, because of recording of specific data for speed-varied reproduction and continuous detection of the specific data in the speed-varied reproduction.